

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P566099

Luminaire Tested: **4SNX-20SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-20SL-LC-UNV-L935-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

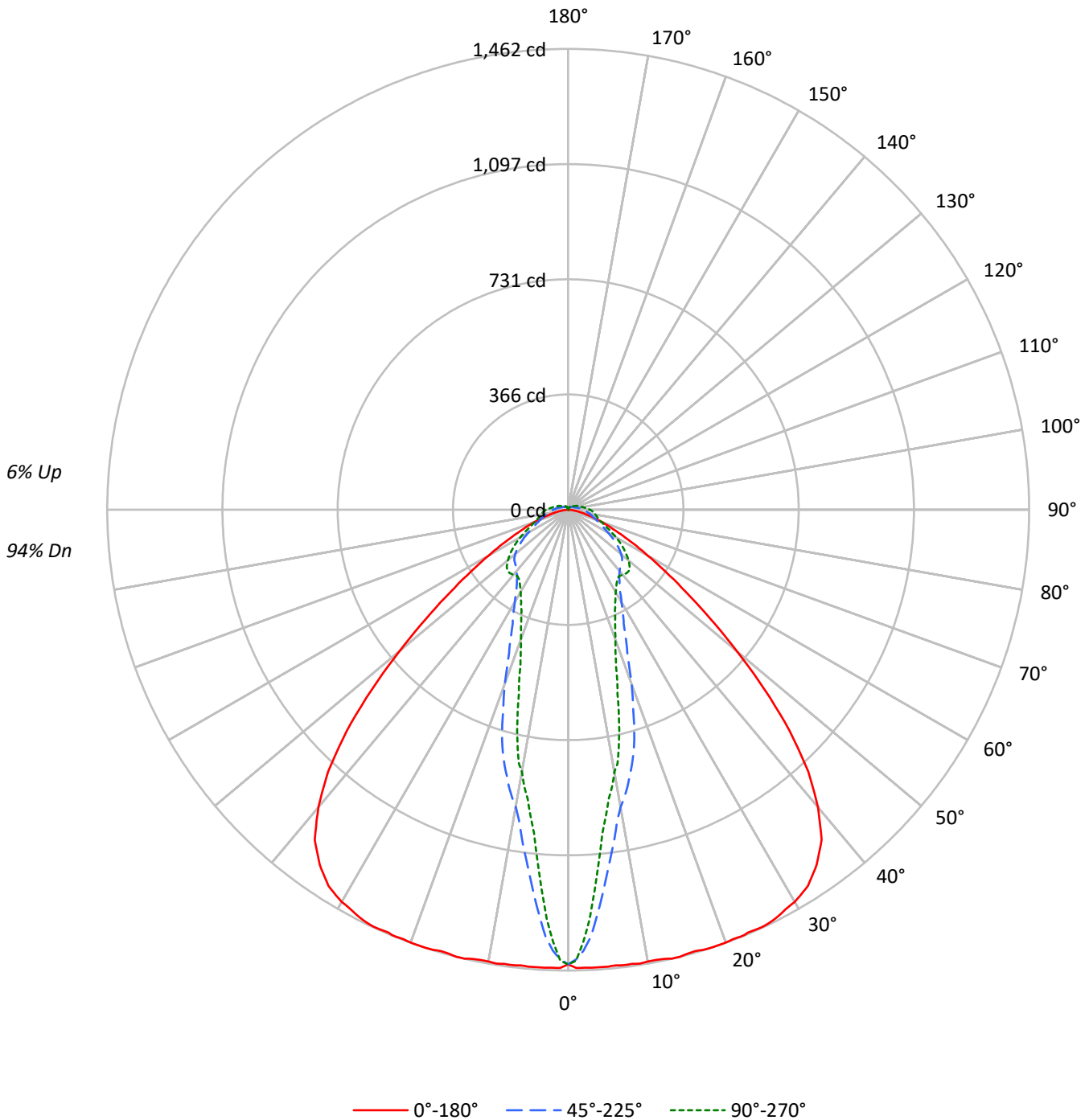
Lumens per Lamp: N/A
Luminaire Lumens: 1778.0 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 12.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15526	15526	15526
5°	15666	12752	11414
10°	15789	9627	8261
15°	16077	7869	5720
20°	16491	5694	4040
25°	17006	4079	3178
30°	17440	3259	2707
35°	17544	2757	2424
40°	16725	2506	2430
45°	14514	2421	2497
50°	11136	2303	2330
55°	8070	2014	2067
60°	5855	1681	1747
65°	4260	1421	1433
70°	3140	1256	1236
75°	2231	1162	1152
80°	1464	1088	1134
85°	686	1038	1136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	6.4
10°-20°	246.3	13.9
20°-30°	282.0	15.9
30°-40°	282.5	15.9
40°-50°	267.4	15.0
50°-60°	205.1	11.5
60°-70°	132.2	7.4
70°-80°	84.3	4.7
80°-90°	56.0	3.1
90°-100°	37.6	2.1
100°-110°	24.8	1.4
110°-120°	17.2	1.0
120°-130°	12.0	0.7
130°-140°	8.4	0.5
140°-150°	5.1	0.3
150°-160°	2.6	0.1
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	641.7	36.1
0°-40°	924.2	52.0
0°-60°	1396.6	78.6
0°-90°	1669.1	93.9
90°-120°	79.6	4.5
90°-150°	105.1	5.9
90°-180°	109.0	6.1
0°-180°	1778.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1442	1442	1442	1442	1442	
5°	1455	1375	1232	1149	1118	139
15°	1459	1051	801	658	605	414
25°	1460	744	424	368	351	673
35°	1374	414	283	274	271	853
45°	993	262	239	264	273	755
55°	456	187	184	207	215	419
65°	182	118	116	132	137	187
75°	62	64	80	92	97	68
85°	8	29	56	74	79	11
90°	0	20	47	66	68	0
95°	0	15	39	54	56	0
105°	0	11	26	36	39	1
115°	1	9	19	26	28	1
125°	1	8	16	19	20	1
135°	1	6	13	16	16	1
145°	1	5	9	12	13	1
155°	1	3	6	8	9	0
165°	2	2	4	5	6	0
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1442.4	1442.4	1442.4	1442.4	1442.4
1°	1454.2	1446.0	1426.9	1432.4	1431.5
2°	1454.2	1436.9	1399.6	1388.6	1372.2
3°	1455.2	1421.4	1357.7	1322.1	1299.3
4°	1455.2	1398.7	1295.7	1236.5	1207.3
5°	1455.2	1375.0	1231.9	1149.0	1118.0
6°	1453.3	1346.7	1167.2	1079.7	1033.3
7°	1456.1	1315.7	1108.9	1015.1	978.6
8°	1455.2	1279.3	1055.1	965.9	925.8
9°	1457.9	1243.8	996.8	919.4	889.3
10°	1455.2	1211.0	958.6	875.6	844.7
11°	1455.2	1179.1	931.2	847.4	821.0
12°	1457.0	1142.6	901.2	807.3	770.9
13°	1461.5	1105.3	866.5	763.6	720.7
14°	1462.4	1077.0	834.6	708.0	663.3
15°	1458.8	1050.6	800.9	657.9	605.0
16°	1457.0	1023.3	760.8	610.5	563.1
17°	1460.6	991.4	715.3	562.2	518.5
18°	1461.5	962.2	667.0	525.8	487.5
19°	1461.5	939.4	627.8	492.0	459.2
20°	1461.5	917.6	587.7	466.5	438.3
21°	1459.7	890.2	542.2	440.1	416.4
22.5°	1460.6	839.2	490.2	409.1	390.0
23°	1457.9	826.4	477.5	400.9	380.9
24°	1458.8	790.0	450.1	384.5	365.4
25°	1459.7	743.5	423.7	368.1	350.8
26°	1457.9	706.2	401.8	352.6	340.8
27°	1453.3	676.1	386.3	339.9	328.9
28°	1447.0	636.0	369.9	328.9	318.9
29°	1440.6	590.4	353.5	317.1	309.8
30°	1436.9	554.0	338.0	308.0	301.6
32.5°	1415.1	482.0	306.2	289.8	284.3
35°	1374.1	413.7	283.4	274.3	270.6
37.5°	1320.3	360.8	266.1	264.2	265.2
40°	1231.9	318.9	253.3	261.5	269.7
42.5°	1126.2	286.1	244.2	264.2	273.4
45°	993.2	261.5	238.7	264.2	273.4
47.5°	845.6	241.5	232.4	255.1	264.2
50°	698.0	223.2	219.6	241.5	249.7
52.5°	567.7	205.9	203.2	224.2	232.4
55°	455.6	186.8	184.1	206.8	215.0
57.5°	365.4	168.6	165.8	186.8	195.0
60°	291.6	150.3	145.8	166.7	174.9
62.5°	232.4	133.0	130.3	148.5	155.8
65°	182.2	117.5	115.7	132.1	136.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	144.0	103.0	103.9	117.5	123.0
70°	111.2	89.3	94.8	107.5	111.2
72.5°	83.8	75.6	87.5	98.4	103.0
75°	62.0	63.8	80.2	92.0	96.6
77.5°	42.8	52.8	73.8	86.6	91.1
80°	29.2	42.8	67.4	82.0	87.5
82.5°	17.3	35.5	62.0	77.5	83.8
85°	8.2	29.2	56.5	73.8	79.3
87.5°	2.7	23.7	51.0	70.2	74.7
90°	0.0	20.0	47.4	65.6	68.3
92.5°	0.0	17.3	42.8	60.1	62.0
95°	0.0	14.6	39.2	53.8	56.5
97.5°	0.0	13.7	36.4	48.3	51.9
100°	0.0	12.8	32.8	43.7	47.4
102.5°	0.0	10.9	29.2	39.2	42.8
105°	0.0	10.9	25.5	36.4	39.2
107.5°	0.9	10.0	23.7	32.8	36.4
110°	0.9	10.0	21.0	31.0	33.7
112.5°	0.9	10.0	20.0	28.2	31.9
115°	0.9	9.1	19.1	26.4	28.2
117.5°	0.9	9.1	18.2	23.7	25.5
120°	0.9	8.2	17.3	21.9	22.8
122.5°	0.9	8.2	16.4	20.0	21.0
125°	0.9	8.2	16.4	19.1	20.0
127.5°	0.9	7.3	15.5	18.2	18.2
130°	0.9	7.3	14.6	17.3	17.3
132.5°	0.9	6.4	13.7	16.4	17.3
135°	0.9	6.4	12.8	15.5	16.4
137.5°	0.9	5.5	11.8	14.6	15.5
140°	0.9	5.5	10.9	13.7	14.6
142.5°	0.9	4.6	10.0	12.8	13.7
145°	0.9	4.6	9.1	11.8	12.8
147.5°	0.9	4.6	8.2	10.9	11.8
150°	0.9	3.6	7.3	10.0	10.9
152.5°	0.9	3.6	6.4	9.1	10.0
155°	0.9	2.7	5.5	8.2	9.1
157.5°	0.9	2.7	5.5	7.3	8.2
160°	1.8	2.7	4.6	6.4	7.3
162.5°	0.9	1.8	4.6	5.5	6.4
165°	1.8	1.8	3.6	4.6	5.5
167.5°	1.8	1.8	2.7	3.6	4.6
170°	1.8	1.8	2.7	2.7	3.6
172.5°	1.8	1.8	1.8	2.7	1.8
175°	1.8	1.8	1.8	1.8	0.9
177.5°	1.8	1.8	1.8	1.8	0.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)